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BEFORE THE FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D.C. 20554

APR - 4 2005

Federal Communications Commission
Office of Secretary

)	
In the Matter of)	
) MB Docket No. 05-52	
Amendment of Section 73.622 (b),) RM-10300	
Table of Allotments,)	
Digital Television Broadcast Stations.)	
Johnstown and Jeannette, Pennsylvania)	

COMMENTS OF VIACOM TELEVISION STATIONS GROUP OF PITTSBURGH INC.

On February 17, 2005, the Commission released a Notice of Proposed Rulemaking ("Notice") in the above proceeding, proposing to amend the DTV Table of Allotments by substituting DTV Channel 49 for DTV Channel 30 at Johnstown, Pennsylvania, and by re-allotting DTV channel 49 from Johnstown to Jeannette, Pennsylvania. The Notice was issued in response to a Petition for Rulemaking originally filed by Viacom Television Stations Group of Pittsburgh Inc. (fka Paramount Television Stations Group of Pittsburgh Inc.) ("Viacom") on August 25, 1999, and subsequently amended on August 14, 2001.

As Viacom's prior pleadings in this matter (copies attached) have shown, the proposed substitution of Channel 49 for Channel 30, and its reallocation from Johnstown to Jeannette, can be made in fully conformance with the Commission's rules. Promptly upon the Commission's adoption of the proposed amendment to the DTV Table of Allotments, Viacom will file an application for authority to construct the facilities of WNPA-DT, Jeannette, Pennsylvania, on Channel 30. As we have also previously shown, the station will be able to provide significantly improved service to Jeannette on

No. of Copies rec'd of 4 List ABCDE Channel 30 with the facilities proposed. (See Engineering Statement of Denny & Associates, P.C., submitted with the Amended Petition for rulemaking, attached hereto.)

For these reasons, the proposed amendment should be adopted.

Respectfully submitted,

VIACOM TELEVISION STATIONS GROUP OF PITTSBURGH INC.

By

Howard F. Jaeckel Its Attorney

1515 Broadway New York, New York 10036

April 4, 2005



Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

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In the Matter of)	Alic .
Amendment of Section 73.622(b) of))	MM Docket None communications commission RM No. AUG 25 1999 MM Docket None commission
the Commission's Rules, DTV)	RM No. OFFICE OF THE SECRETARY
Table of Allotments)	TARY
(Johnstown and Jeannette, Pennsylvania))	

To: The Chief, Allocations Branch

PETITION FOR RULEMAKING AND REQUEST FOR EXPEDITED ACTION

- 1. Paramount Stations Group of Pittsburgh Inc. ("Paramount"), by its attorneys and pursuant to Section 73.623 of the Commission's rules, 47 C.F.R. §73.623, hereby requests that the Commission institute a rulemaking proceeding for the purpose of amending the Table of Allotments for the digital television ("DTV") service to change the DTV community and channel allotments for station WNPA-DT from channel 30 at Johnstown, Pennsylvania, to Channel 49 at Jeannette, Pennsylvania. In light of the impending November 1, 1999 deadline for Paramount to file the WNPA-DT construction permit application, Paramount respectfully requests expedited action on this Petition.
- 2. Paramount is the licensee of television station WNPA(TV), Jeannette, Pennsylvania, which currently operates on NTSC channel 19. As the attached engineering exhibit of Hammett & Edison, Inc. (the "Engineering Statement") indicates, prior to the release of the DTV Table of Allotments, the community of

No. of Copies rec's 0+5 List ABCDE license of WNPA (then WTWB-TV) was changed from Johnstown to Jeannette. See

Johnstown and Jeannette, Pennsylvania, 12 FCC Rcd 10300 (1997). The DTV Table
of Allotments was not updated to reflect the change in WNPA's community of license.

- 3. As set forth in greater detail in the Engineering Statement, because of the first adjacent allotment of WWCP-DT on Channel 29 at Johnstown, Pennsylvania, WNPA-DT is unable to relocate its facilities to improve service to Jeannette with its current allocation of Channel 30.
- 4. Paramount thus proposes to amend the DTV Table of Allotments to replace the DTV Channel 30 allotment at Johnstown, Pennsylvania, with DTV Channel 49 at Jeanette, Pennsylvania. As demonstrated in the attached Engineering Statement, the allocation of Channel 49 to Jeanette at the WNPA-DT reference coordinates would result in additional interference to two additional stations: WEAO, NTSC Channel 49, Akron, Ohio, and WPCB-DT, DTV Channel 49, Greensburg, Pennsylvania. However, the proposed allotment meets the Commission's *de minimis* interference criteria because the interference to both stations is less than 2%, with the aggregate interference for both stations less than 10%.
- 5. Finally, the location of the 41.9 dBu F(50,90) field strength contour for the proposed operation encompasses the entire community of Jeannette as required by the Commission's rules.
- 6. Accordingly, Paramount respectfully requests that the Commission expeditiously commence a rulemaking proceeding to amend the DTV Table of

Allotments to allot and assign DTV channel 49 to Jeannette, Pennsylvania (in lieu of Channel 30 at Johnstown, Pennsylvania) for use by WNPA-DT.

Respectfully submitted,

PARAMOUNT STATIONS GROUP OF PITTSBURGH INC.

James R. Bayes

E. Joseph Knoll III

WILEY, REIN & FIELDING 1776 K Street, NW

Washington, DC 20006

(202) 719-7000

Its Attorneys

August 25, 1999

Paramount Stations Group Station WNPA-DT Jeannette, Pennsylvania

Engineering Exhibit in Support of Petition for Rulemaking to Change DTV Channel

August 18, 1999

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Station WNPA-DT • Jeannette, Pennsylvania

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by Paramount Stations Group, licensee of TV Station WNPA, NTSC Channel 19, Jeannette, Pennsylvania, to prepare an engineering exhibit in support of its petition for rulemaking to amend the DTV Table of Allotments, Section 73.622(b), to replace the DTV Channel 30 allotment at Johnstown, Pennsylvania, with DTV Channel 49 at Jeannette, Pennsylvania.

Background

TV Station WNPA is presently licensed to operate on NTSC Channel 19, serving Jeannette, Pennsylvania, with directional transmitting facilities of 3,020 kilowatts peak visual effective radiated power at a height above average terrain (HAAT) of 325 meters. In the *Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order* in MM Docket 87-268, adopted February 23, 1998, the Commission assigned DTV Channel 30 to Channel 19, Johnstown, Pennsylvania, with specified parameters of 162 kilowatts average effective radiated power (ERP) at 325 meters HAAT, using DTV replication pattern of NTSC service specified in the FCC database. Although the current FCC database indicates DTV Channel 30 allotted to Johnstown, Pennsylvania, TV Station WNPA, then WTWB-TV, changed its city of license from Johnstown to Jeannette prior to the release of the DTV Table of Allotments and the Table was not subsequently updated.

In the same proceeding, Station WWCP-TV, NTSC Channel 8, Johnstown, Pennsylvania, was assigned DTV Channel 29, with specified parameters of 662 kilowatts ERP at 368 meters HAAT. The WWCP-DT reference site is located 1 kilometer from the WNPA-DT reference coordinates

DTV Table of Allotments Proposed Channel Substitution

The WNPA transmitter site is located approximately 42 kilometers from its city of license with significant intervening terrain. Since the first adjacent allotments for WNPA-DT and WWCP-DT are, in effect, collocated, both stations are severely limited in their ability to relocate their DTV transmitter facilities. Any attempt to relocate WNPA-DT, in order to improve DTV service to its community of license and the associated market, results in a projected increase in interference to WWCP-DT that violates the FCC de minimus interference criteria. Due to the inability of WNPA-DT to relocate and improve service with its current allocation of DTV Channel 30, it is proposed to amend the Digital Television Table of Allotments in Section 73.622 of the FCC Rules to substitute Channel 49 in place of Channel 30 at Jeannette, Pennsylvania, for the use of



Station WNPA-DT . Jeannette, Pennsylvania

WNPA-DT. The proposed facilities would be located at reference coordinates of 40° 26′ 46″ N, 79° 57′ 51″ W with a height above average terrain of 210 meters (525 meters above mean sea level) and a power level of 200 kW effective radiated power.

Channel 49 Allocation Conditions

For the purposes of the allocation study from the reference coordinates, omnidirectional operation at the proposed power has been assumed, in order to present a "worst-case" analysis. Using the FCC OET-69 interference prediction methodology, described in detail in Figure 1, the proposed change to Channel 49 at Jeannette, Pennsylvania, for the use of WNPA-DT would result in additional interference to two other stations: WEAO, NTSC Channel 49, Akron, Ohio, and WPCB-DT, DTV Channel 49, Greensburg, Pennsylvania. As shown in the summary of OET-69 calculation results in Figure 2, interference to both stations from Channel 49 is less than 2.0%, with the aggregate interference for both stations less than 10.0%. Therefore, the proposed Channel 49 allotment does meet the FCC de minimus interference criteria.

Proposed Coverage

The location of the 41.9 dBu F(50,90) field strength contour for the proposed operation (41 dBu contour adjusted by a dipole factor as specified in OET Bulletin No. 69) has been determined in accordance with the procedures specified in Section 73.625(b) of the FCC Rules for the proposed Channel D49 facilities. As shown in Figure 3, the entire community to be served is encompassed by this contour.

Summary

The channel change of the DTV allotment for WNPA-DT from Channel 30 to Channel 49 meets the FCC Rules for protection of NTSC operations and DTV allotments from interference, with the community of license completely encompassed by the 41.9 dBu contour as required by FCC rules.

Station WNPA-DT • Jeannette, Pennsylvania

List of Figures

In carrying out these engineering studies, the following attached figures were prepared under my direct supervision:

- 1. TVIXSTUDYTM methodology
- 2. Summary of OET-69 interference study
- 3. Map showing proposed coverage.

August 18, 1999



William F. Hammett, P.E.

Affidavit

State of California

County of Sonoma

William F. Hammett, being first duly sworn upon oath, deposes and says:

- 1. That he is a qualified Registered Professional Engineer, holds California Registrations Nos. E-13026 and M-20676, which expire on June 30, 2001, and is a principal in the firm of Hammett & Edison, Inc., Consulting Engineers, with offices located near the city of San Francisco, California.
- 2. That he graduated from Dartmouth College with a degree in Engineering Sciences in 1977 and from the University of Illinois with a degree of Master of Science in 1978, has completed two years of employment by the Standard Oil Company and five years by Dean Witter Reynolds in various engineering, computer, and management capacities, and has been associated with the firm of Hammett & Edison, Inc., since 1985,
- 3. That the firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by Paramount Stations Group, licensee of TV Station WNPA, NTSC Channel 19, Jeannette, Pennsylvania, to prepare an engineering exhibit in support of its petition for rulemaking to amend the DTV Table of Allotments, Section 73.622(b), to replace the DTV Channel 30 allotment at Johnstown, Pennsylvania, with DTV Channel 49 at Jeannette, Pennsylvania,
- 4. That such engineering work has been carried out by him or under his direction and that the results thereof are attached hereto and form a part of this affidavit, and
- 5. That the foregoing statement and the report regarding the aforementioned engineering work are true and correct of his own knowledge except such statements made therein on information and belief and, as to such statements, he believes them to be true.

Levi F. Thomse

Subscribed and sworn to before me this 18th day of August, 1999



990813 Affidavit

HAMMETT & EDISON, INC.

CONSULTING ENGINEERS

TVIXSTUDY™ Analysis Methodology

Implementation of FCC's Interference-Based Allocation Algorithm

On April 21, 1997, the Federal Communications Commission released its Fifth and Sixth Report and Order texts to Mass Media Docket No. 87-268, establishing a final Table of Allotments for the transition from analog NTSC television service to a digital television ("DTV") service. The Commission utilized a complex set of computerized analysis tools to generate the DTV allotment table and added FCC Rules Section 73.623(b)(2), requiring that similar tools be employed to analyze individual DTV station assignments with regard to their potential interference to other DTV stations, DTV allotments, and existing or authorized NTSC facilities. Those tools were described in FCC OET Bulletin No. 69, Longley-Rice Methodology for Evaluating TV Coverage and Interference ("OET-69"), released on July 2, 1997. Subsequent to OET-69, the Commission released, on February 23, 1998, its Memorandum Opinion and Order on Reconsideration of the Fifth [and Sixth] Report and Order[s], which made a number of changes to the previous allotment table and modified several of the analysis methods to be employed for studying DTV allotments and potential facility modifications. On August 10, 1998, the Commission published a text, Additional Application Processing Guidelines for Digital Television (DTV), which provided important clarifications and enhancements to the specified analysis methods. Hammett & Edison has developed and refined the TVIXSTUDY computer software to perform FCC-style DTV allocation studies as based on OET-69, its subsequent clarifications, and also upon a detailed examination of the FCC allotment program software source code.

For most NTSC or DTV stations to be studied, the FCC analysis model first determines the location of the conventional F(50,50) Grade B contour of the NTSC station, or of the NTSC station associated with an assigned DTV station, using pattern information contained in the FCC engineering database and an assumed antenna elevation pattern. The model assumes that contour as an envelope, outside of which no protection from interference is implied or afforded. The location of the Grade B contour was used to determine the assigned power for the DTV station, once again using conventional methods found in FCC Rules Section 73.699, Figures 9 and 10, determining the power necessary on a radial basis to generate the associated DTV coverage contour (41 dBu for UHF, 36 dBu for high VHF Channels 7-13, and 28 dBu for low VHF Channels 2-6), for an assigned DTV channel. The maximum power determined using this method was assigned as the DTV operating power, provided it was calculated to be above established minimum power levels; otherwise, a minimum power level was assigned. By the same token, facilities with calculated DTV power levels above the established maximum power levels for a given channel were assigned the maximum power level. The use of this method usually creates a directional DTV antenna replication pattern, even for DTV assignments to presently omnidirectional NTSC TV stations. The FCC requires that a DTV facility employ an antenna design that meets the calculated replication envelope parameters, unless, with a few exceptions, zero or de minimus new interference to other facilities can be demonstrated.

In addition to the use of the Grade B envelope and an assumed directional transmitting antenna for all DTV facilities, the model assumes the use of directive receiving antennas at each studied location, or "cell." The characteristics of the receiving antennas are different, not only for the low



VHF, high VHF, and UHF frequency bands, but also for NTSC and DTV receiving situations; the FCC model specifies that more directive antennas be employed for analysis of DTV reception.

The FCC analysis technique employs terrain-sensitive calculation methods based on Version 1.2.2 of the ITS Irregular Terrain Model, also known as the Longley-Rice model. For each NTSC or DTV station to be studied, a grid of cells, two kilometers on a side, fills the associated Grade B or noise-limited contour. The program first determines which of the cells is predicted to receive service from the associated station, using Longley-Rice analysis with F(50,50) statistical weighting for NTSC and F(50,90) statistical weighting for DTV stations. Cells determined to have no service are not studied for interference from other stations.* Once cells having service are determined, the software analyzes potential interference from other NTSC or DTV stations, again using the Longley-Rice propagation algorithm and defined statistical weighting for all potential interfering signals. Each cell is evaluated, as appropriate, using the desired-to-undesired ratios and methods presented in FCC Rules Section 73.622, 73.623, and 74.706 for each channel relationship, and cells determined to have interference are flagged and excluded from further study, resulting in the generation of net interference-free coverage population totals.

The TVIXSTUDY analysis program employs all of the OET-69 analysis features described above, as well as several other more subtle elements prescribed by the FCC. Additionally, the program allows modeling of implementation scenarios that involve changes to effective radiated power, antenna height, antenna pattern, channel number, and/or transmitter location. TVIXSTUDY also can identify cells that fall in major bodies of water, as based on digitized map data, excluding them from the study. The program is primarily intended to study the effects of existing/potential NTSC or DTV facilities on other DTV or NTSC facilities, as based on desired-to-undesired ratio parameters defined in OET-69. A typical TVIXSTUDY analysis summary includes technical parameters of the proposed DTV or NTSC facility, along with its original (pre-modification) technical parameters, if any. Also included is a listing of each protected DTV and/or NTSC facility or allotment with associated interference-free population tabulations and the unique interference population resulting from operation of the proposed facility. TVIXSTUDY is similar to the program TVCOVSTUDY, which instead predicts the interference-limited coverage of a selected facility.

The results of the OET-69 algorithm are dependent on the use of computer databases, including terrain, population, and FCC engineering records. FCC Rules §0.434(e) specifically disclaims the accuracy of its databases, recommending the use of primary data sources (i.e., paper documents), which is not practical for DTV interference analyses. Further, while Hammett & Edison, Inc. endeavors to follow official releases and established precedents on the matter, FCC policy on DTV analysis methods is constantly changing. Thus, the results of OET-69 interference and coverage studies are subject to change and may differ from FCC results.

It is noted that the Longley-Rice model is not always capable of determining, within certain confidence limits, whether a particular cell has service. In such cases, the Longley-Rice algorithm returns an error code; the FCC method for handling such error codes is to assume that the associated cells have interference-free service and, as such, are not further considered. The Hammett & Edison TVIXSTUDY program reports the number of such error cells for a given study and provides the option of generating a map showing their locations, which may be useful for further review using other propagation analysis tools.



Station WNPA-DT • Jeannette, Pennsylvania

Results of OET-69 Interference Study

Interference analysis tvixstudy 2.2.9

Study parameters:

Minimum-power DTV service truncated at NTSC Grade B contour Longley-Rice errors handled by FCC method

Before case:

Station parameters:

Station: D30

City: Jeannette, PA Coordinates: N 40-10-51.0

W 79-09-46.0

Height AMSL: 936.0 m Maximum ERP: 162 kW

Azimuth pattern: DTV1239 (replication)

After case:

Original station parameters:

(same as above)

Modified station parameters:

Station: D49

City: Jeannette, PA Coordinates: N 40-26-46.0

W 79-57-51.0

Height AMSL: 525.0 m Maximum ERP: 200 kW

Azimuth pattern: omnidirectional

			Before		Alter			
Prot	tected station		BasePop 1000s		ange %Base		ange %Base	%Chng
N49	WNYOTV LIC	BUFFALO, NY	1,459	1		2	0.1	
D49	WNWODT	TOLEDO, OH	2,278	3	0.1	3	0.1	
D49	WNWO-DT CP	TOLEDO, OH	2,278	107	4.7	107		
N49	WEAO LIC*	AKRON, OH	3,138	269	8.6	311	9.9	1.3
D50	WEAODT	AKRON, OH	3,159	0	0.0	0	0.0	0.0
N45	WNEO LIC	ALLIANCE, OH	2,160	4	0.2	4	0.2	0.0
D48	WPXIDT	PITTSBURGH, PA	3,429	0	0.0	1	0.0	0.0
D48	WPXI-DT CP	PITTSBURGH, PA	3,429	319	9.3	320	9.3	0.0
N53	WPGHTV LIC	PITTSBURGH, PA	2,729	49	1.8	49	1.8	0.0
N53	WPGHTV CP	PITTSBURGH, PA	2,879	37	1.3	37	1.3	0.0
N47	WKBSTV LIC	ALTOONA, PA	527	1	0.2	1	0.2	
D50	WQLNDT	ERIE, PA	442	-2	-0.5	-2	-0.5	0.0
D49	WNEPDT	SCRANTON, PA	1,383	-40	-2.9	-40	-2.9	0.0
D49	WNEP-DT APP	SCRANTON, PA	1,383	-134	-9.7	-134	-9.7	0.0
D50	WPCBDT	GREENSBURG, PA	2,528	105	4.2	133	5.3	1.1
N49	WGCBTV LIC	RED LION, PA	1,361	110	8.1	110	8.1	0.0
D49	WHSVDT	HARRISONBURG, VA	532	85	16.0	85	16.0	0.0
	WVFX LIC	CLARKSBURG, WV	243	6	2.5	6	2.5	0.0
	WTAPDT*	PARKERSBURG, WV	281	1	0.4	1	0.4	0.0

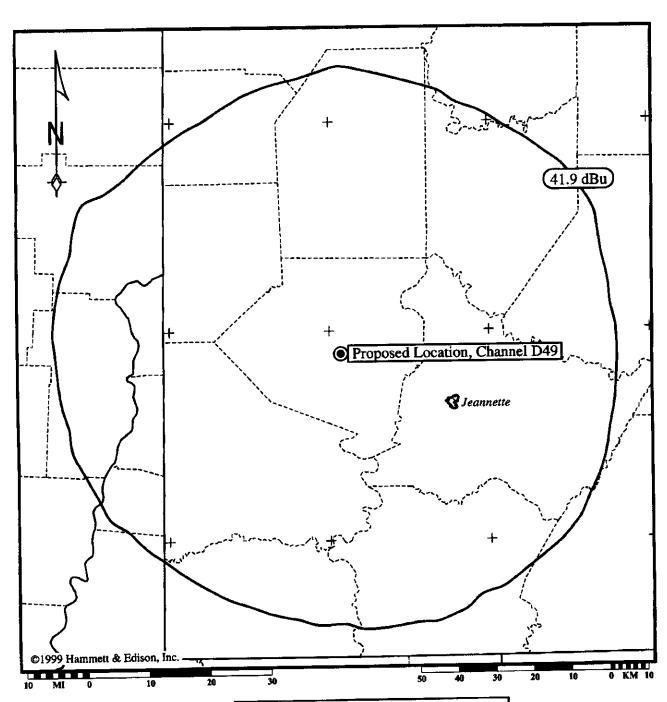
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^{*} Short spaced



Station WNPA-DT • Jeannette, Pennsylvania Proposed FCC F(50,90) 41.9 dBu Coverage Contour



Lambert conformal conic map projection. County lines and city limits shown taken from U.S. Census Bureau TIGER data. Geographic coordinate marks shown at 30-minute increments.



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Before the Federal Communications Commission Washington, D.C.

		HECEIVED
In the Matter of)	AUG 1 4 2001
Amendment of Section 73.622(b) of The Commission's Rules, DTV Table of Allotments (Johnstown and Jeannette, Pennsylvania))	MM Docket No. PRESENT COMMUNICATIONS COMMUNICATION

To: The Chief, Allocations Branch:

AMENDED PETITION FOR RULEMAKING AND REQUEST FOR EXPEDITED ACTION

- 1. Paramount Stations Group of Pittsburgh Inc. ("Paramount") seeks to further amend its petition for rulemaking in the above captioned matter that was initially filed on August 25, 1999 ("Initial Petition"). Paramount is the licensee of television station WNPA, Jeannette, Pennsylvania, which currently operates on NTSC channel 19. Pursuant to Section 73.623 of the Commission's rules 47 C.F.R. §73.623, Paramount had requested that the Commission institute a rulemaking proceeding for the purpose of amending the Table of Allotments for the digital television ("DTV") service to change the DTV community and channel allotments for station WNPA-DT from channel 30 at Johnstown, Pennsylvania, to channel 49 at Jeannette, Pennsylvania.
- 2. In its Initial Petition, Paramount submitted an engineering exhibit demonstrating that, prior to the release of the DTV Table of Allotments, the community of license of WNPA (then WTWB-TV) was changed from Johnstown to Jeannette. See Johnstown and Jeannette, Pennsylvania, 12 FCC Rcd 10300 (1997). However, the DTV Table of Allotments was not updated to reflect the change in WNPA's community of license. Further, Paramount also set forth in great detail in its engineering exhibit that, because of the first adjacent allotment of WWCP-DT on channel 29 at Johnstown,

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Pennsylvania, WNPA-DT is unable to relocate its facilities to improve service to Jeannette with its current allocation of channel 30.

- 3. Paramount submits this amended Petition to modify the proposed facilities of WNPA-DT on channel 49 at Jeannette, Pennsylvania. Specifically, Paramount specifies a new reference site, effective radiated power (ERP) and antenna height above average terrain (HAAT) for WNPA-DT's proposed operation. As set forth in greater detail in the attached engineering exhibit of Denny & Associates, the proposed substitution of channel 30 with channel 49 for WNPA-DT's operation can be made in full conformance with the Commission's rules and will result in the station's ability to provide significantly improved service to Jeannette.
- 4. In light of the May 1, 2002, deadline by which Paramount is required to construct WNPA-DT facilities, Paramount requests expedited action on its amended petition.

Respectfully submitted,

Paramount Stations Group of Pittsburgh Inc.

y: Kaymond a. White
Raymond A. White

Counsel

Paramount Stations Group of Pittsburgh, Inc c/o Viacom Television Stations Group 600 New Hampshire Avenue, Suite 1200 Washington, D.C. 20037 (202) 457-4514

August 13, 2001

DENNY & ASSOCIATES, P.C. CONSULTING ENGINEERS OXON HILL, MARYLAND

ENGINEERING EXHIBIT
IN SUPPORT OF AN AMENDED
PETITION FOR RULE MAKING TO MODIFY
THE DTV TABLE OF ALLOTMENTS
PARAMOUNT STATIONS GROUP OF PITTSBURGH INC.
STATION WNPA-DT JEANNETTE, PENNSYLVANIA
CH 49 437 KW 301 METERS

ENGINEERING STATEMENT

INTRODUCTION

The Engineering Exhibit, of which this statement is part, has been prepared on behalf of Paramount Stations Group of Pittsburgh Inc. (herein Paramount), licensee of television station WNPA, Jeannette, Pennsylvania, in support of a amended petition for rule making to modify the DTV Table of Allotments in Section 73.622(b) of the Federal Communications Commission (FCC) Rules. Paramount's previously filed petition for rule making proposed substitution of DTV channel 49 at Jeannette, Pennsylvania for DTV channel 30 at Johnstown, Pennsylvania. This amendment serves to specify a new reference site, effective radiated power (ERP) and antenna height above average terrain (HAAT) for the proposed DTV channel 49 allotment at Jeannette. The requested modification to the DTV Table of Allotments can be made in full conformance with the FCC Rules.

DENNY & ASSOCIATES, P.C. Consulting Engineers Oxon Hill, Maryland

Engineering Statement WNPA-DT, Jeannette, Pennsylvania Page 2

BACKGROUND

WNPA is licensed for operation on channel 19+ with a maximum peak visual ERP of 3,020 kilowatts (kW), horizontally polarized, and antenna radiation center HAAT of 325 meters. In FCC Mass Media Docket Number 97-96, the FCC reallotted NTSC channel 19+ from Johnstown, Pennsylvania, to Jeannette, Pennsylvania as a first local television service. However, the modification of the NTSC allotment to Jeannette was made after the date of the television database used for developing DTV allotments. Hence, the Second Memorandum Opinion And Order On Reconsideration Of The Fifth And Sixth Report And Orders (2nd MO&O) in FCC Mass Media Docket 87-268, allots NTSC channel 19 in Johnstown, Pennsylvania, DTV channel 30. The allotment reference facilities for DTV channel 30 at Johnstown are with a maximum average ERP of 162.1 kW and antenna radiation center HAAT of 325 meters.

As indicated in Paramount's previous petition for rule making, the licensed WNPA NTSC transmitter site and channel 30 DTV allotment reference coordinates are located approximately 42 kilometers from Jeannette. In contrast, the proposed DTV channel 49 allotment site is only 15 kilometers from Jeannette. Since the existing channel 30 DTV allotment at Johnstown is

DENNY & ASSOCIATES, P.C. CONSULTING ENGINEERS

OXON HILL, MARYLAND

Engineering Statement WNPA-DT, Jeannette, Pennsylvania Page 3

collocated with the DTV allotment for WWCP-TV on channel 29, Paramount is

unable to utilize a transmitter site for the existing DTV channel 30 which is

significantly closer to Jeannette without causing interference to the adjacent

channel operation of WWCP-DT on channel 29. The allotment of DTV

channel 49 to Jeanette will permit Paramount to utilize a transmitter site for

WNPA-DT significantly closer to Jeannette and thus significantly improve

service to Jeannette.

Paramount requests that the DTV Table of Allotments in Section

73.622(b) of the FCC Rules be amended to reflect the allotment of DTV

channel 49 at Jeannette in lieu of the existing DTV channel 30 allotment at

Johnstown, Pennsylvania. Furthermore, that the following reference facilities

be employed for the DTV channel 49 allotment at Jeannette.

Latitude: 40° 23' 34"

Longitude: 79° 46' 54" (NAD 27)

Channel: 49

Maximum ERP: 437 kW

Antenna radiation center 301 meters (HAAT)/616 meters AMSL

While the requested DTV channel 49 allotment reference facilities

exceed the facilities allotted to DTV channel 30 at Johnstown, they comply with

the maximum power and antenna height provision of Section 73.622(f)(8)(i) of

DENNY & ASSOCIATES, P.C. Consulting Engineers

OXON HILL, MARYLAND

Engineering Statement WNPA-DT, Jeannette, Pennsylvania Page 4

the FCC Rules. The table in this section of the FCC Rules specifies a maximum ERP of 1,000 kW for an antenna radiation center HAAT of 365 meters. The proposed allotment reference facilities of 437 kW ERP and 301 meters antenna radiation center HAAT are below both of these limits.

PRINCIPAL COMMUNITY COVERAGE

The proposed substitution of DTV channel 49 at Jeannette for DTV channel 30 at Johnstown, complies with the principal community coverage requirements of Section 73.625(a) of the FCC Rules. The DTV principal community contour for the proposed DTV channel 49 allotment at Jeannette, is the 48 dBµ F(50,90) contour. Figure 1 of this exhibit is a map comprising portions of the USGS Maryland, Ohio, Pennsylvania, and West Virginia, 1:1,000,000 scale maps showing that all of Jeannette, Pennsylvania, lies well within the predicted DTV channel 49 principal community coverage contour.

ALLOCATION CONTRAINTS

The requested substitution of DTV channel 49 for DTV channel 30 at Johnstown, Pennsylvania, complies fully with the *de minimis* interference criteria of Section 73.623(c)(2) of the FCC Rules. An analysis of the proposed

DENNY & ASSOCIATES, P.C. Consulting Engineers Oxon Hill, Maryland

Engineering Statement WNPA-DT, Jeannette, Pennsylvania Page 5

DTV channel 49 allotment with respect to existing NTSC and DTV allotments and assignments was conducted employing the methodology described in FCC Office of Engineering Technology (OET) Bulletin No. 69 (Bulletin 69), Longley-Rice Methodology for Evaluating TV Coverage and Interference, and using the FCC application processing software computer program which performs Bulletin 69 calculations. While the raw output of the computer analysis is too lengthy to include herein, a summary has been included as Figure 2 of this exhibit. The raw output of the computer analysis is available upon request.

A Bulletin 69 analysis was also performed to determine the predicted population served by the proposed DTV channel 49 facility. The most conservative analysis predicts that 2,856,804 persons will receive digital television service during the transition from the proposed DTV channel 49 allotment reference facility. Appendix B from the 2nd MO&O predicts that 2,044,000 persons currently receive television service from the associated NTSC station WNPA. Therefore, the proposed DTV channel 49 allotment is predicted to provide service to an additional 812,804 persons.

DENNY & ASSOCIATES, P.C. CONSULTING ENGINEERS

OXON HILL, MARYLAND

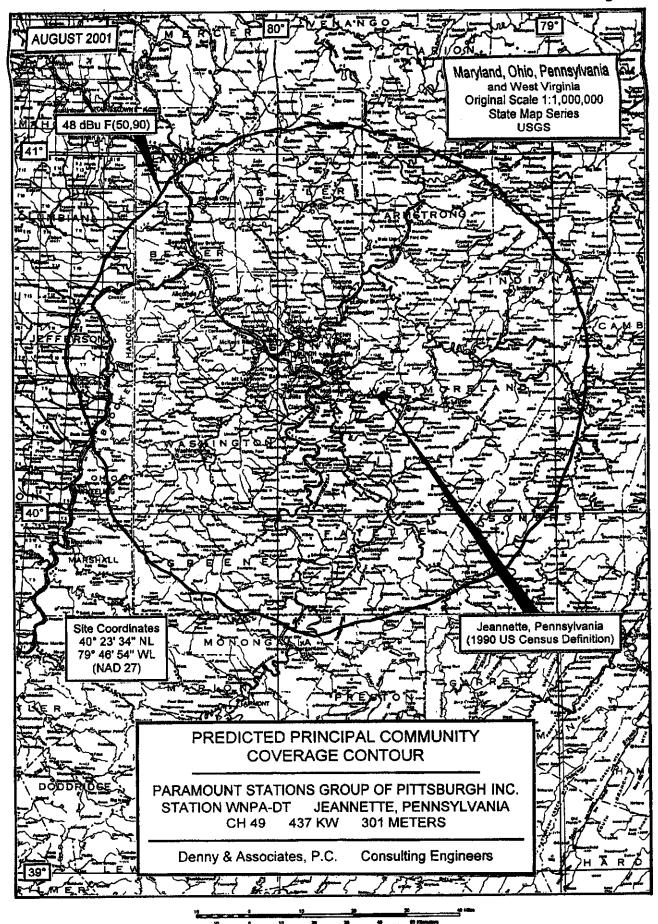
Engineering Statement WNPA-DT, Jeannette, Pennsylvania Page 6

CONCLUSIONS

The substitution of DTV channel 49 at Jeannette, Pennsylvania, for DTV channel 30 at Johnstown, Pennsylvania, can be made in full conformance with FCC Rules. Additionally, service from the future WNPA-DT operation in Jeannette, Pennsylvania, will be improved by permitting the use of a transmitter site located significantly closer to the WNPA-DT community of license.

Alan R. Rosner, P.E.

August 10, 2001



ENGINEERING EXHIBIT IN SUPPORT OF AN AMENDED PETITION FOR RULE MAKING TO MODIFY THE DTV TABLE OF ALLOTMENTS PARAMOUNT STATIONS GROUP OF PITTSBURGH INC. STATION WNPA-DT JEANNETTE, PENNSYLVANIA CH 49 437 KW 301 METERS

SUMMARY OF DTV INTERFERENCE STUDY

Channel	Call Sign	<u>City/State</u>	Distance From <u>Proposed</u> (km)	Status	Application Reference Number/Program <u>Reference Number</u>	Predicted New <u>Interference</u>	Percent of Baseline
45	WNEO	Alliance, OH	111.0	LIC	BMLET-19891204KE	0	0.00
46	WVFX	Clarksburg, WV	130.5	LIC	BLCT-19810824KE	0	0.00
47	WKBS-TV	Altoona PA	115.1	LIC	BLCT-19850925KE	0	0.00
48	WPXI-DT	Pittsburgh, PA	20.5	Allot.	DTVPLN-DTVP1332	39,592	1.15
49	WNYO-TV	Buffalo, NY	287.5	LIC	BLCT-19870911KH	428	0.03
49	WEAO	Akron, OH	173.8	LIC	BLET-19821105KI	58,192	1.87
49	WNWO-DT	Toledo, OH	331.5	Allot.	DTVPLN-DTVP1359	0	0.00
49	WGCB-TV	Red Lion, PA	277.1	LIC	BLCT-19790419KG	0	0.00
49	WGCB-TV	Red Lion, PA	277.1	CP	BPCT-20000105AAM	0	0.00
49	WNEP-DT	Scranton, PA	340.7	CP	BPCDT-19990729KF	23	< 0.01
49	WNEP-DT	Scranton, PA	340.5	Allot.	DTVPLN-DTVP1361	22	< 0.01
49	WHSV-DT	Harrisonburg, VA	222.2	Appl.	BPCDT-19991028ADT	145	0.03
49	WHSV-DT	Harrisonburg, VA	222.2	PLN	DTVPLN-DTVP1365	104	0.03
49	WTAP-DT	Parkersburg, WV	191.3	\mathbf{CP}	BPCDT-19991028ADE	4,399	1.57
49	WTAP-DT	Parkersburg, WV	191.3	Allot.	DTVPLN-DTVP1367	2,794	1.05
50	WEAO-DT	Akron, OH	173.8	Appl.	BPEDT-20000426ABO	0	0.00
50	WEAO-DT	Akron, OH	173.8	Allot.	DTVPLN-DTVP1386	0	0.00
50	WQLN-DT	Erie, PA	184.8	Allot.	DTVPLN-DTVP1389	0	0.00
50	WQLN-DT	Erie, PA	184.9	Appl.	BMPEDT-20000412AAR	0	0.00
50	WPCB-DT	Greensburg, PA	0.0	Appl.	BPCDT-19991026ABB	0	0.00
50	WPCB-DT	Greensburg, PA	0.1	Allot.	DTVPLN-DTVP1390	11,030	0.44
53	WPGH-TV	Pittsburgh, PA	22.0	CP	BPCT-19930708KF	0	0.00
53	WPGH-TV	Pittsburgh, PA	22.1	LIC	BMLCT-19851121KI	520	0.02
56	NEW	New Castle, PA	69.7	$\mathbf{A}\mathbf{D}\mathbf{D}$	BPRM-20000717AFN	7,877	0.42